

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
 Data File : BF103649.D
 Acq On : 14 Mar 2018 19:06
 Operator : SJ/JU
 Sample : J1908-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-B

Manual Integrations
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 3/15/2018 6:57:41 PM

Quant Time: Mar 15 01:18:38 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 18:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	125575	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	507009	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	197042	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	285707	20.00	ng	0.00
75) Chrysene-d12	14.06	240	200826	20.00	ng	0.00
86) Perylene-d12	15.57	264	206745	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	746145	89.87	ng	0.00
7) Phenol-d6	6.50	99	935671	92.10	ng	0.00
23) Nitrobenzene-d5	7.43	82	652578	73.51	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	113600	68.11	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	850606	71.60	ng	0.00
78) Terphenyl-d14	12.98	244	503362	60.25	ng	0.00

Target Compounds				Qvalue		
48) Acenaphthylene	9.76	152	72938	3.629	ng	98
51) Acenaphthene	9.93	154	42226	3.603	ng	99
54) Dibenzofuran	10.12	168	37870	2.354	ng	91
57) Fluorene	10.45	166	90186	6.581	ng	99
70) Phenanthrene	11.42	178	943257	59.991	ng	99
71) Anthracene	11.47	178	400061	24.813	ng	99
72) Carbazole	11.65	167	61864	3.853	ng	97
73) Di-n-butylphthalate	11.94	149	187641	9.340	ng	99
74) Fluoranthene	12.62	202	1596790	101.061	ng	99
77) Pyrene	12.86	202	1383024	88.329	ng	99
80) Benzo(a)anthracene	14.05	228	885350	67.945	ng	98
82) Chrysene	14.09	228	719665	56.881	ng	99
85) Indeno(1,2,3-cd)pyrene	17.13	276	347878	34.731	ng	94
87) Benzo(b)fluoranthene	15.13	252	951164m	69.973	ng	
88) Benzo(k)fluoranthene	15.16	252	306433m	23.940	ng	
89) Benzo(a)pyrene	15.52	252	672831	55.428	ng	98
90) Dibenzo(a,h)anthracene	17.12	278	68399	7.292	ng	# 79
91) Benzo(g,h,i)perylene	17.60	276	302139	32.958	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

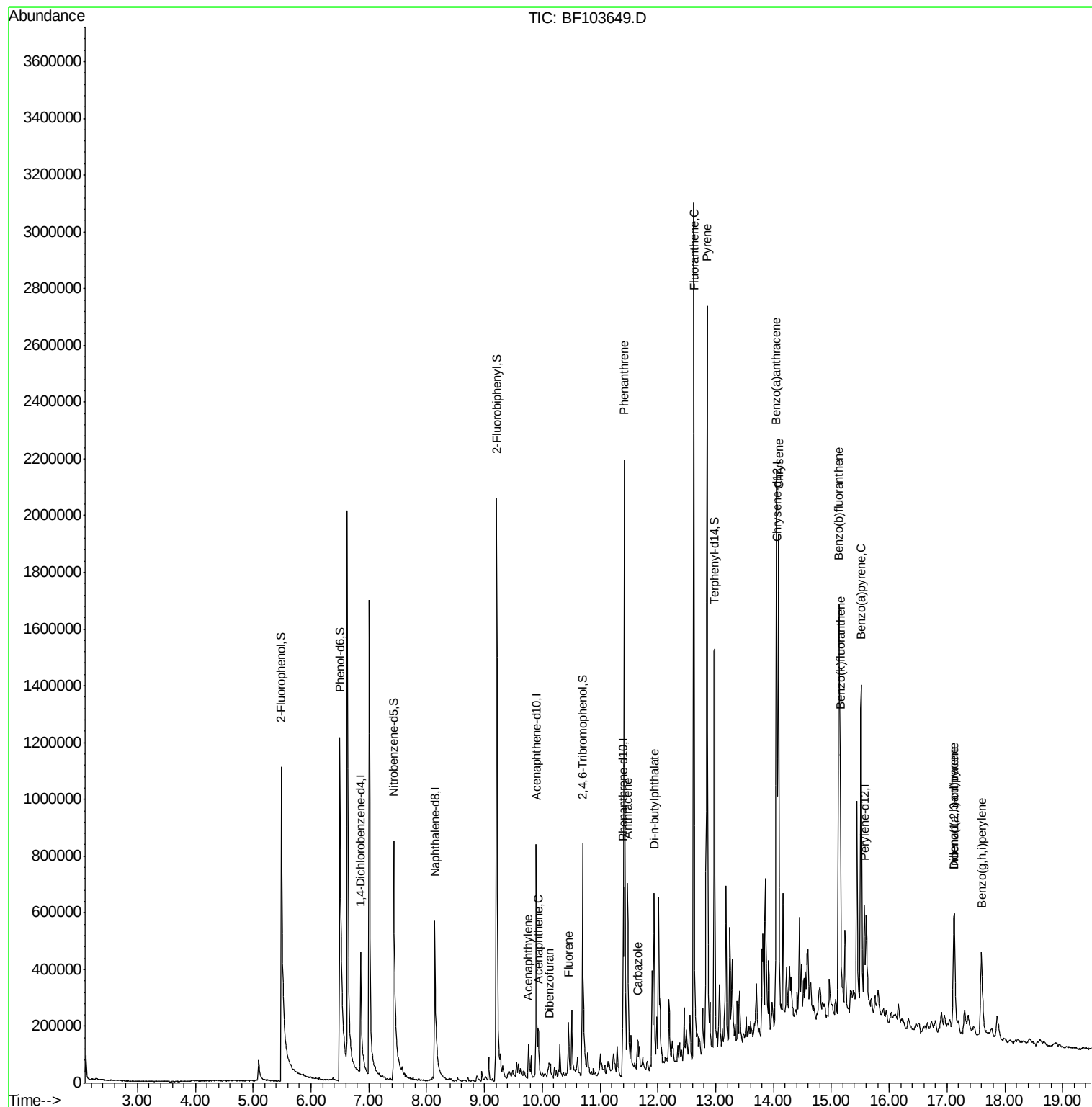
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
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ALS Vial : 14 Sample Multiplier: 1

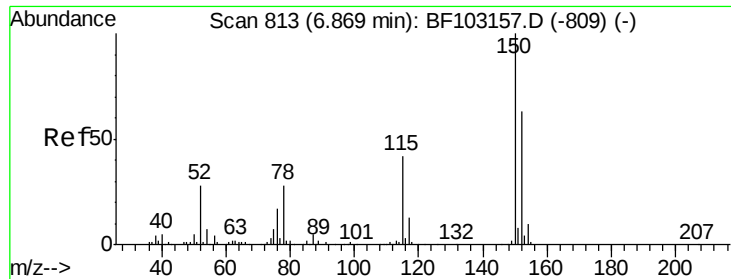
Instrument :
BNA_F
ClientSampleId :
TP-B

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#1

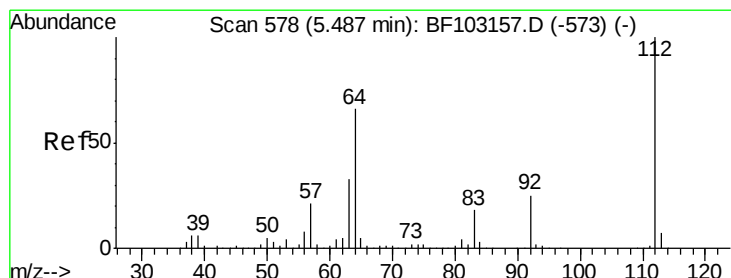
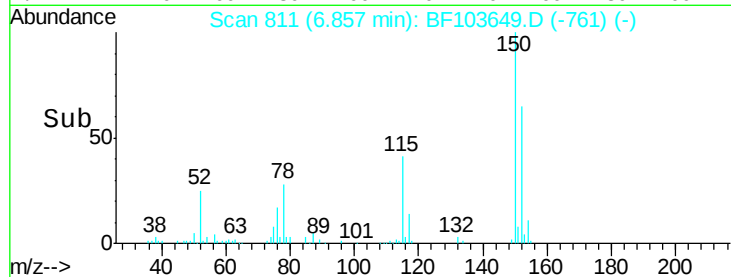
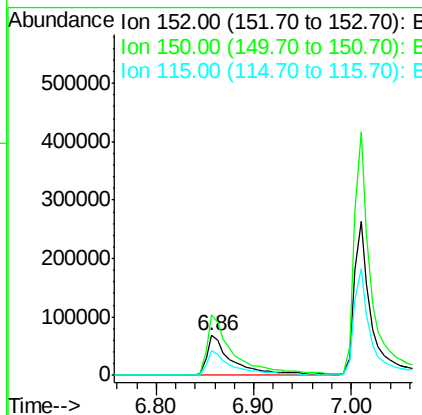
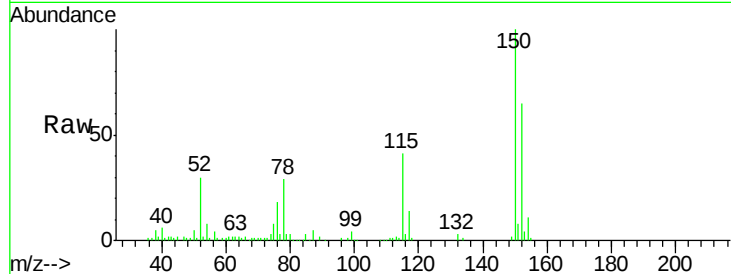
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Instrument :
BNA_F
ClientSampled :
TP-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	63.5	50.1	75.1

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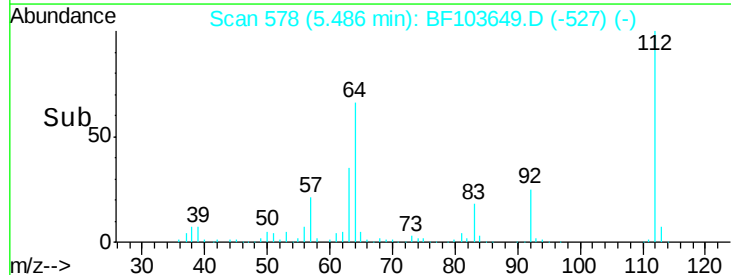
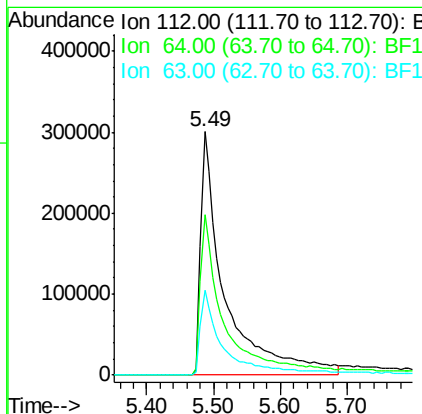
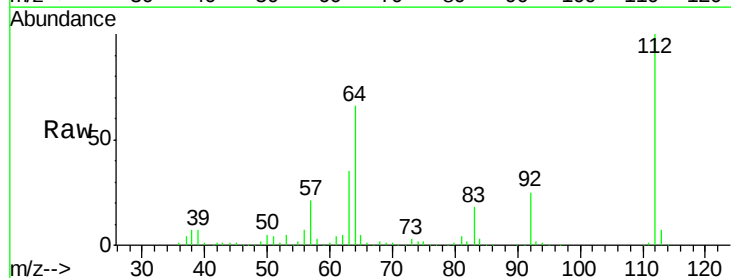
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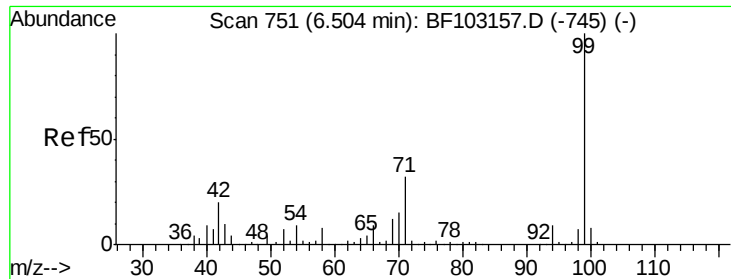


#5

2-Fluorophenol
Concen: 89.866 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.00 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	47.9	71.9
63	35.1	23.7	35.5





#7

Phenol-d6

Concen: 92.095 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

ClientSampled :

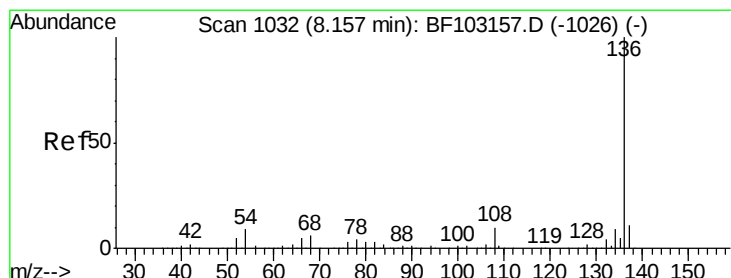
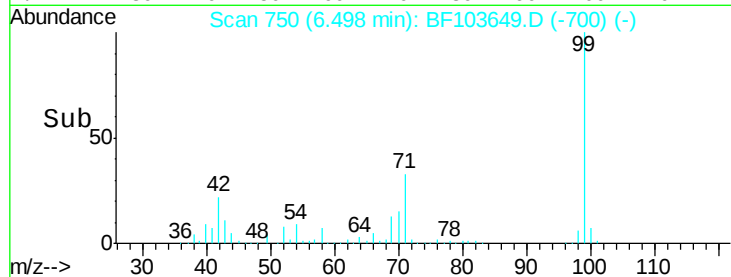
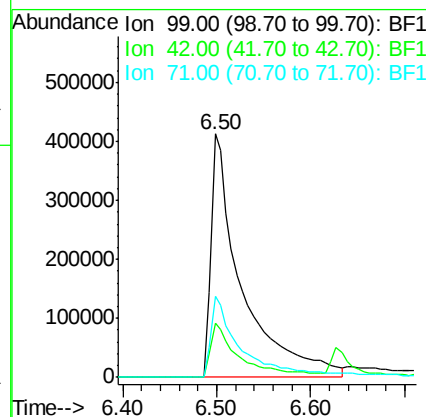
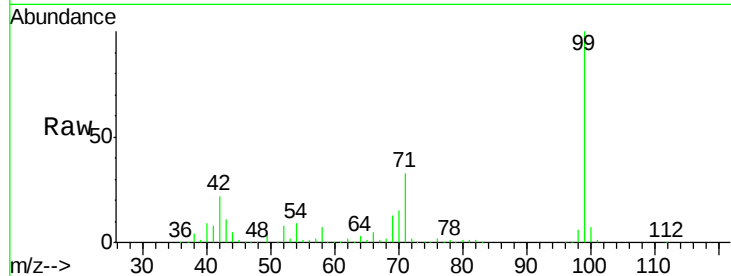
TP-B

Tot Ion: 99 Resp: 935671

Ion	Ratio	Lower	Upper
99	100		
42	22.5	14.5	21.7#
71	33.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

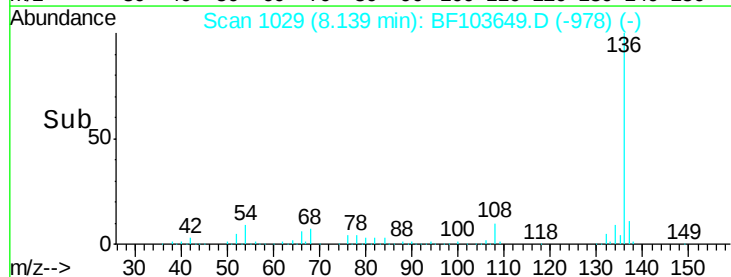
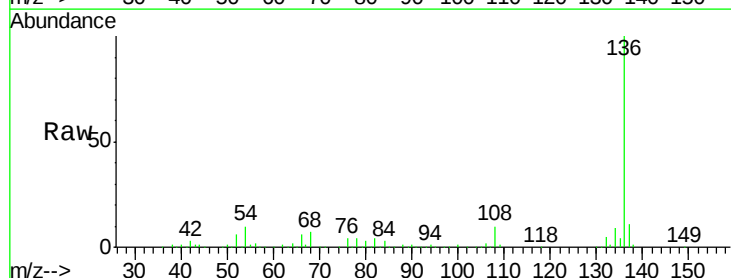
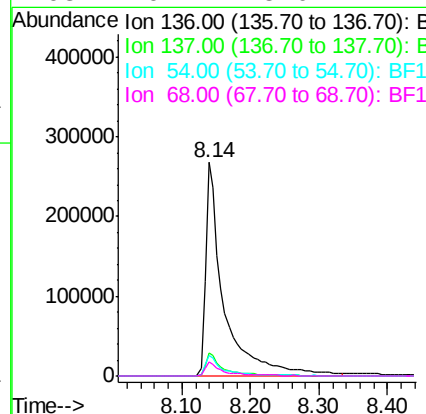
Delta R.T. -0.00 min

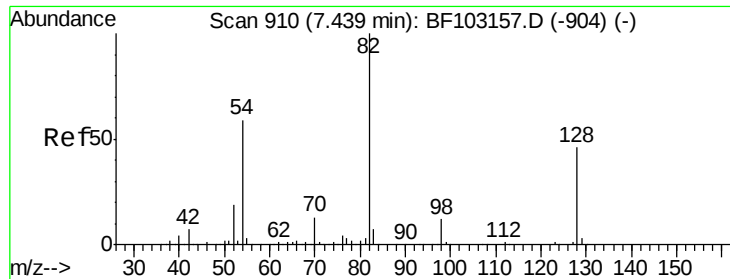
Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Tgt Ion: 136 Resp: 507009

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.6	6.6	9.8
68	6.7	5.0	7.4





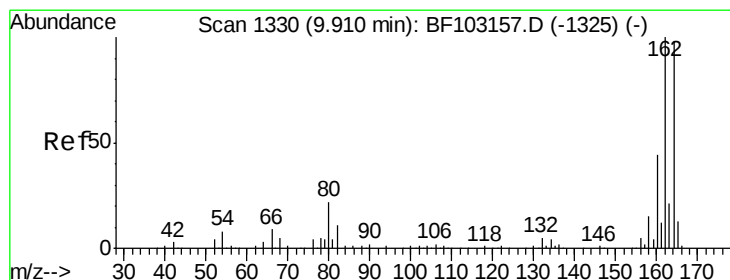
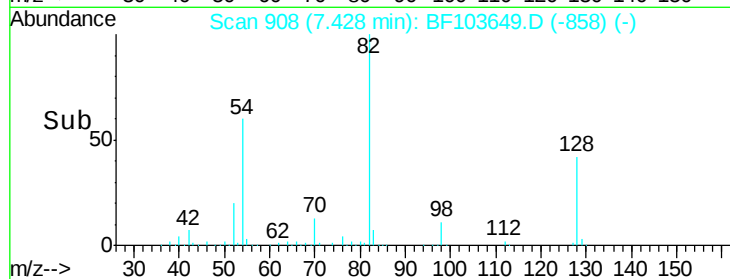
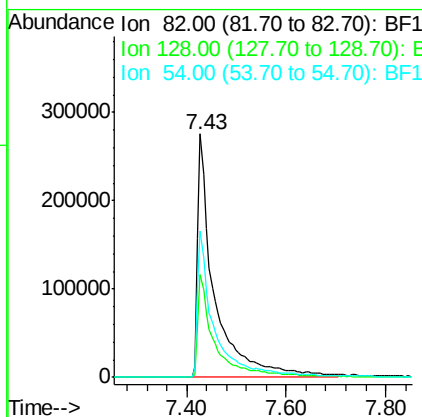
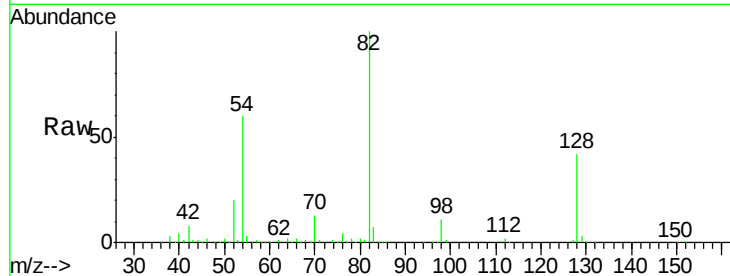
#23
 Nitrobenzene-d5
 Concen: 73.505 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF103649.D
 Acq: 14 Mar 2018 19:06

Instrument :
 BNA_F
 ClientSampled :
 TP-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	36.1	54.1
54	60.2	41.4	62.2

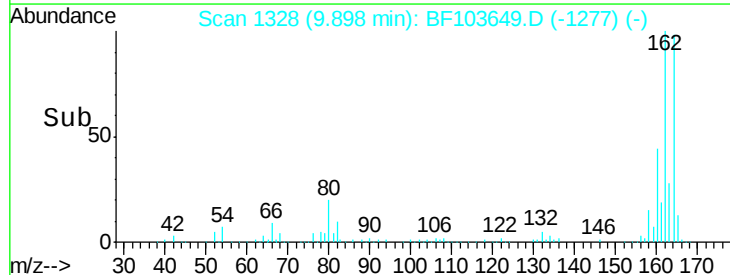
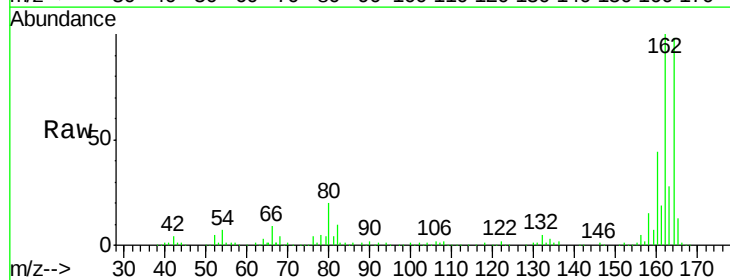
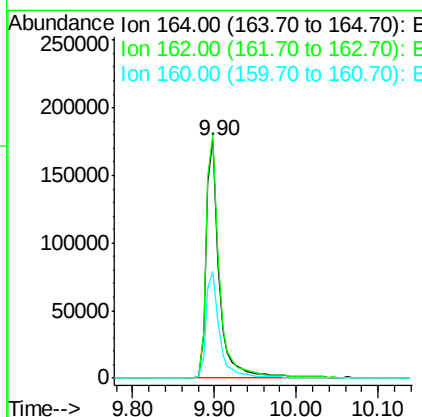
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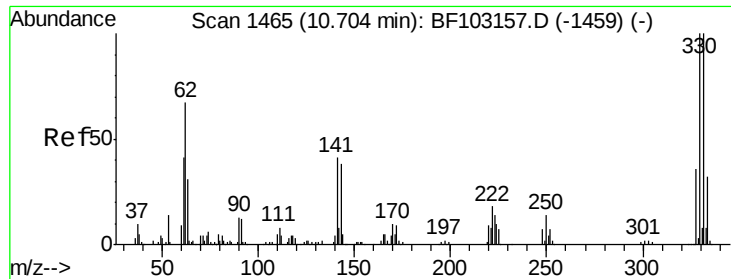
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: BF103649.D
 Acq: 14 Mar 2018 19:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	44.9	38.3	57.5





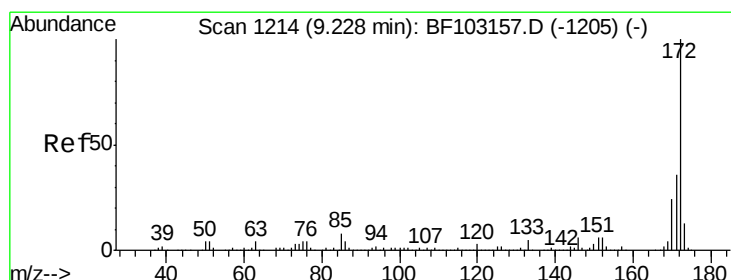
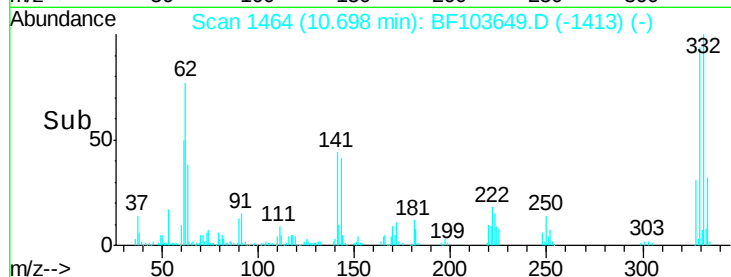
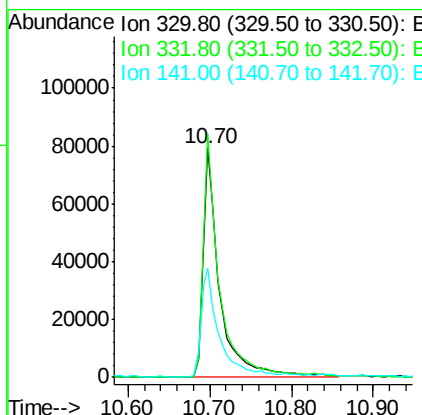
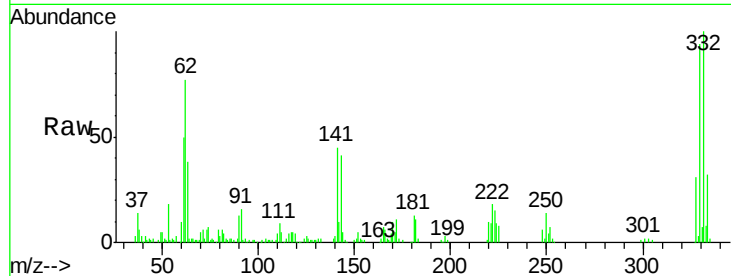
#41
 2,4,6-Tribromophenol
 Concen: 68.112 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF103649.D
 Acq: 14 Mar 2018 19:06

Instrument :
 BNA_F
 ClientSampled :
 TP-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.9	77.0	115.6
141	53.9	29.9	44.9

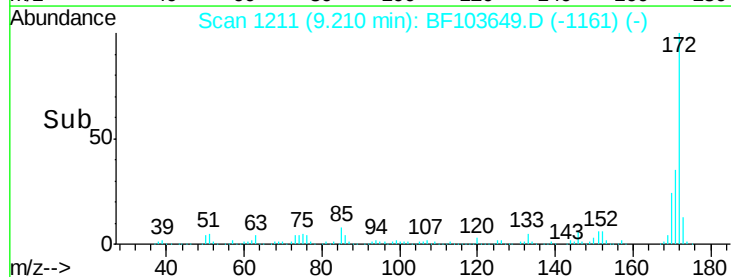
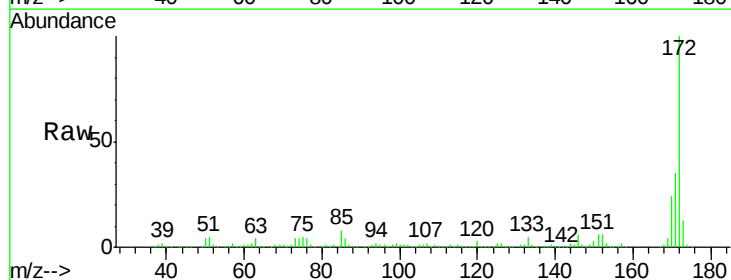
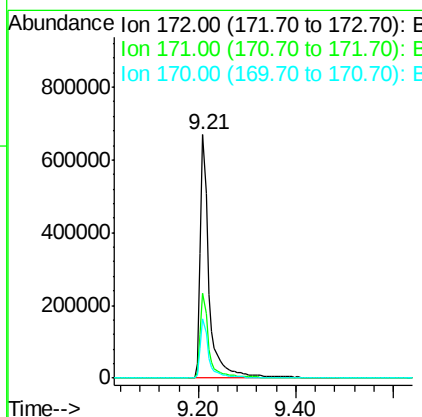
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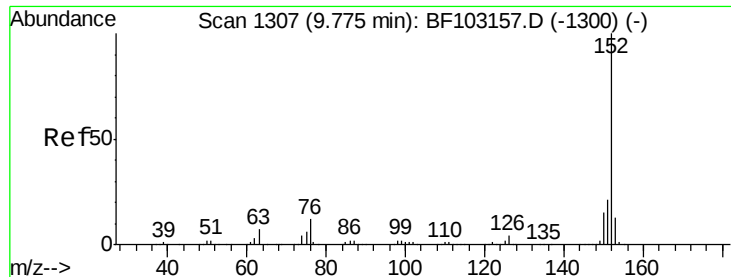
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#44
 2-Fluorobiphenyl
 Concen: 71.598 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF103649.D
 Acq: 14 Mar 2018 19:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	24.1	19.6	29.4





#48

Acenaphthylene

Concen: 3.629 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

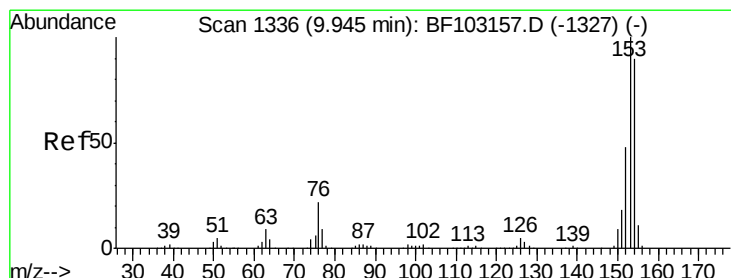
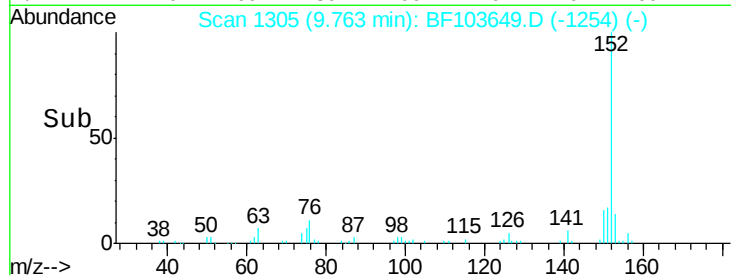
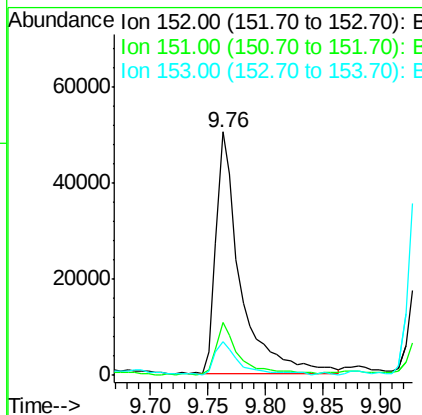
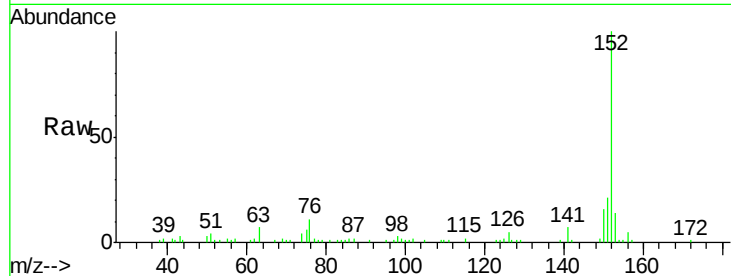
ClientSampled :

TP-B

Tot Ion:	152	Resp:	72938
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.3	24.5
153	13.9	10.7	16.1

Manual Integrations
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#51

Acenaphthene

Concen: 3.603 ng

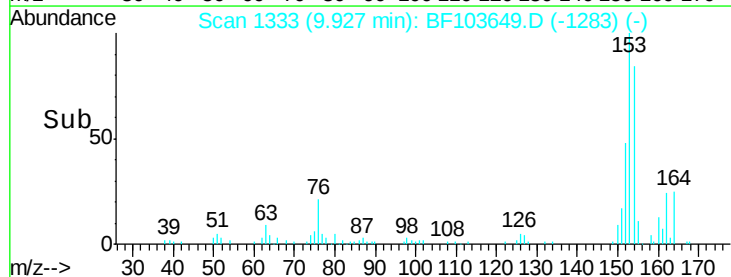
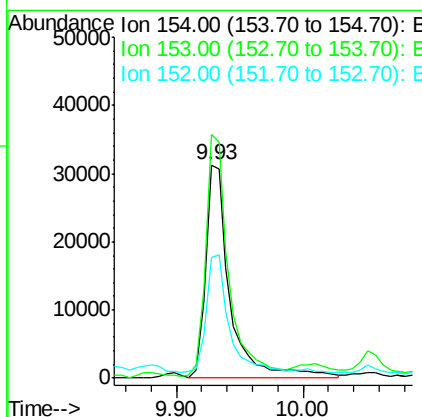
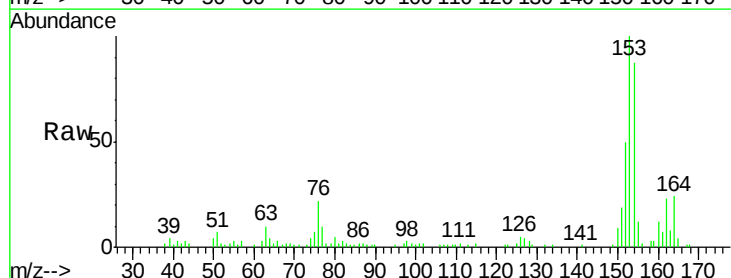
RT: 9.93 min Scan# 1333

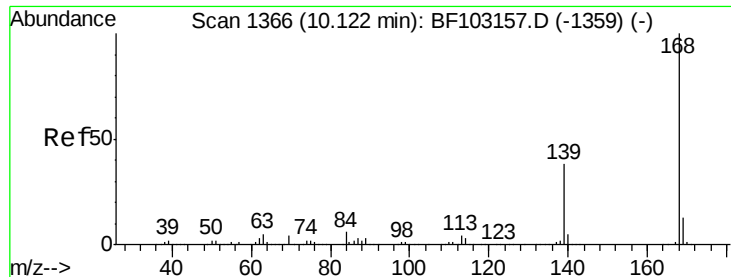
Delta R.T. -0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Tgt Ion:	154	Resp:	42226
Ion Ratio	Lower	Upper	
154	100		
153	114.3	91.2	136.8
152	56.7	43.8	65.8





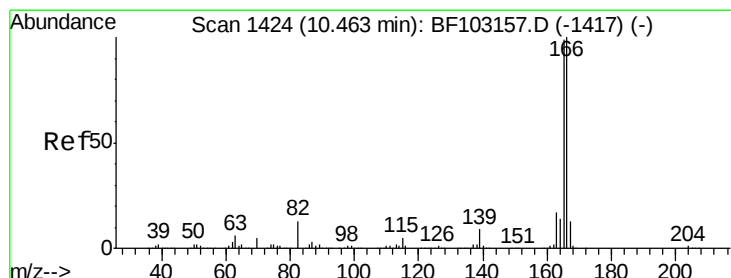
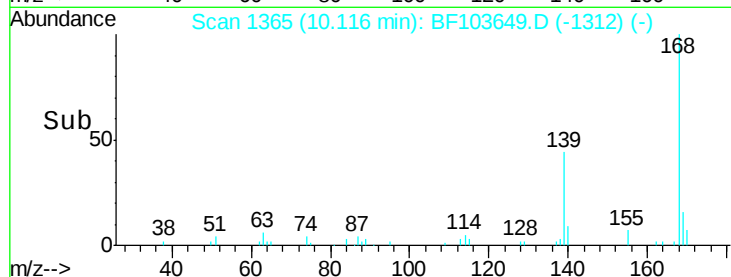
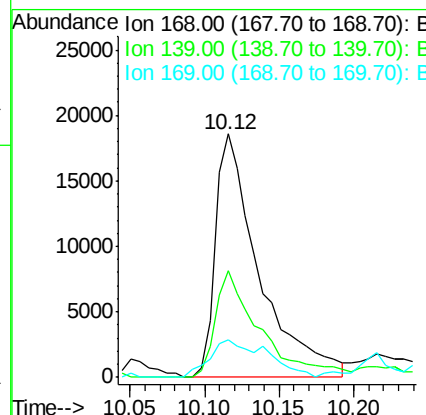
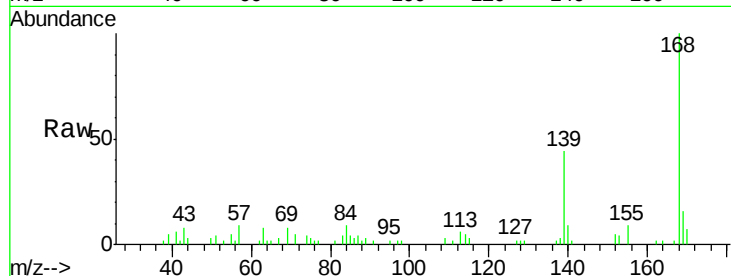
#54
Dibenzenofuran
Concen: 2.354 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Instrument :
BNA_F
ClientSampled :
TP-B

Tot Ion	Ratio	Lower	Upper
168	100		
139	44.0	30.1	45.1
169	15.6	10.9	16.3

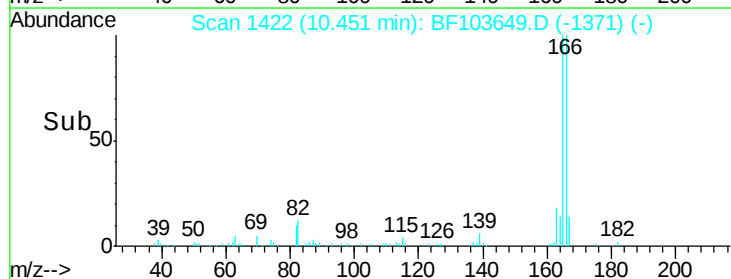
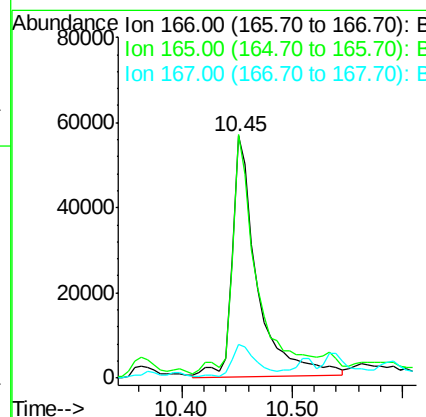
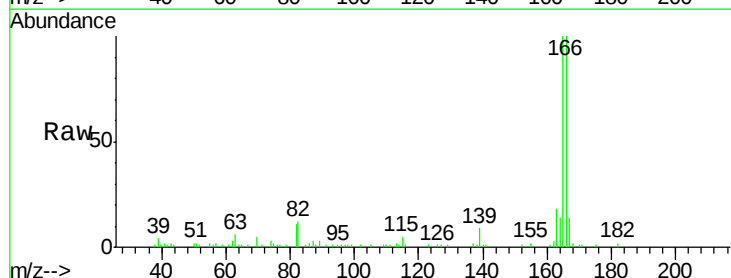
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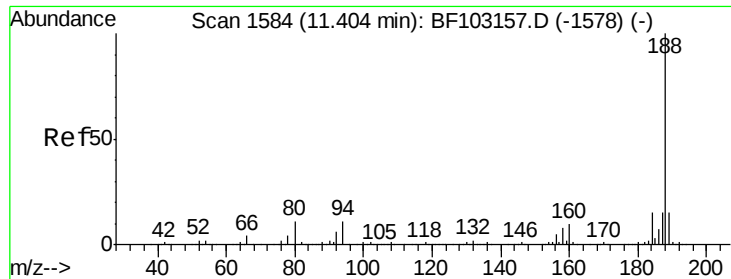
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#57
Fluorene
Concen: 6.581 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.5	79.8	119.8
167	13.9	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

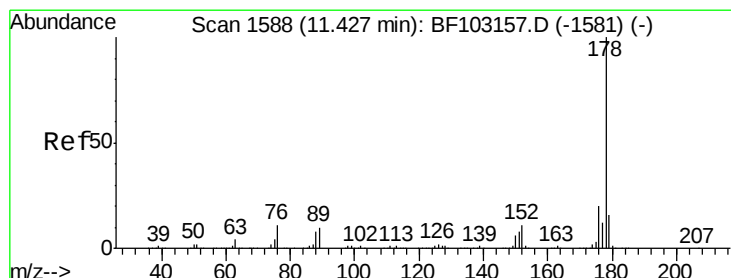
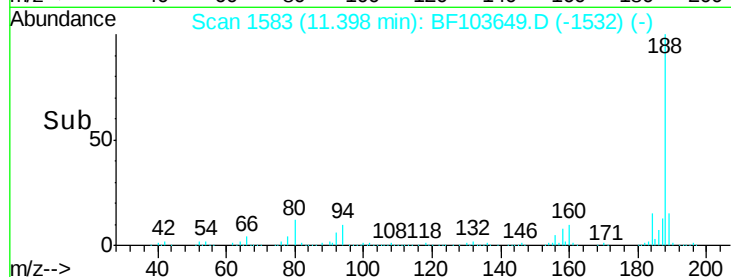
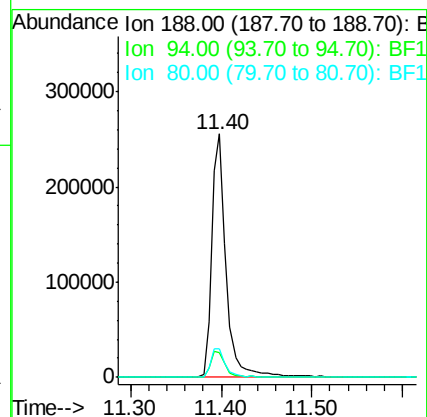
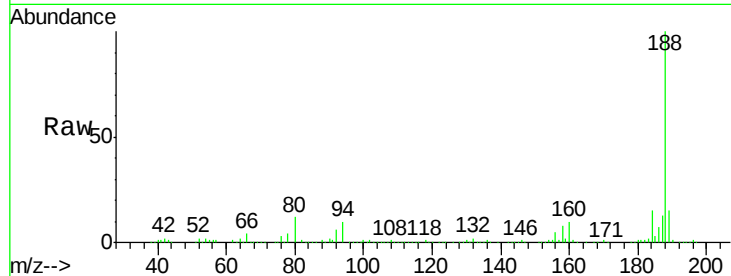
ClientSampled :

TP-B

Tot Ion:	188	Resp:	285707
Ion Ratio	Lower	Upper	
188	100		
94	10.4	8.5	12.7
80	11.6	9.2	13.8

Manual Integrations
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#70

Phenanthrene

Concen: 59.991 ng

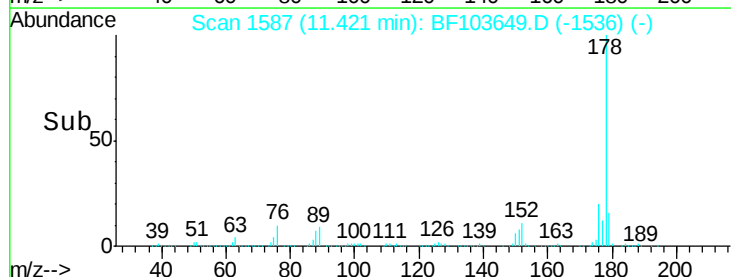
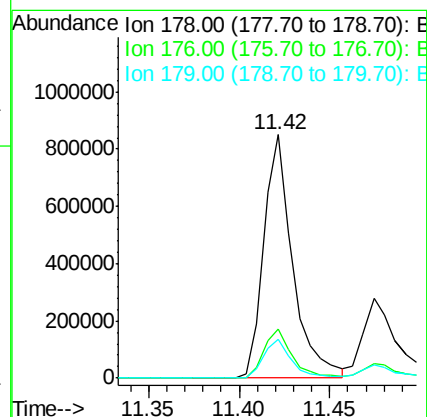
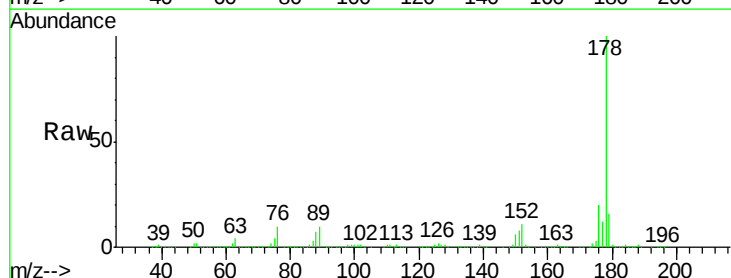
RT: 11.42 min Scan# 1587

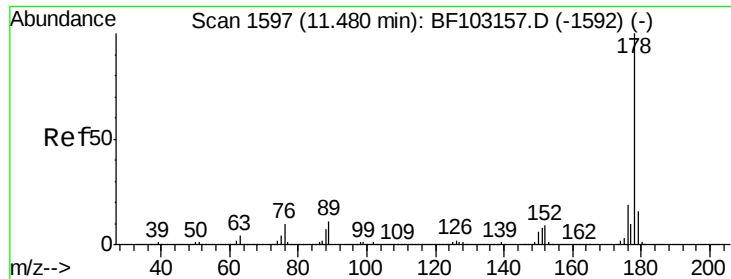
Delta R.T. -0.00 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Tgt Ion:	178	Resp:	943257
Ion Ratio	Lower	Upper	
178	100		
176	20.4	15.8	23.8
179	15.8	13.0	19.6





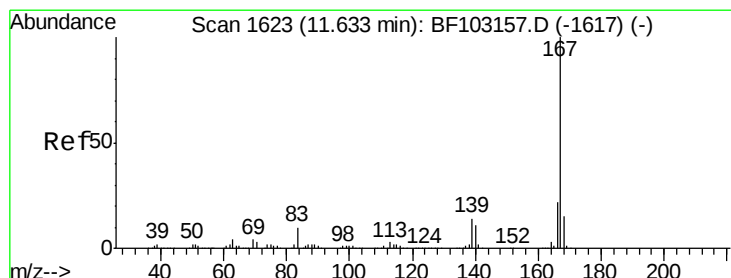
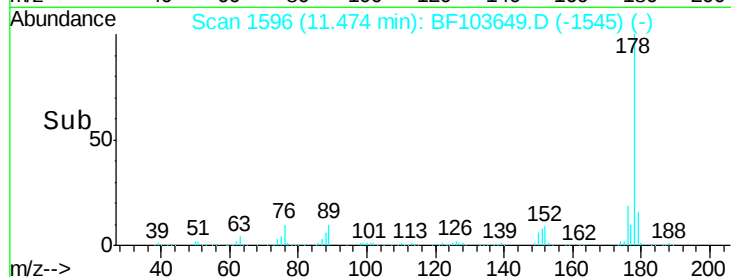
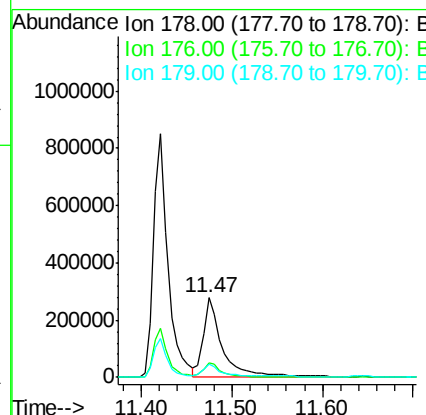
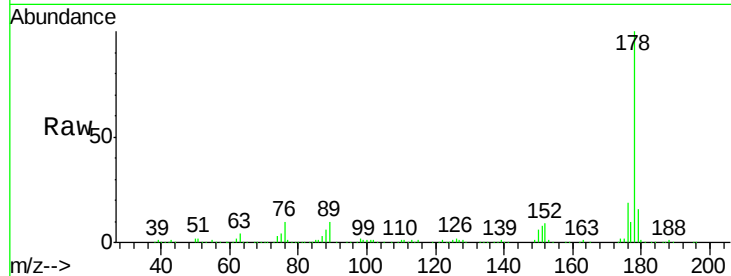
#71
 Anthracene
 Concen: 24.813 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF103649.D
 Acq: 14 Mar 2018 19:06

Instrument :
 BNA_F
 ClientSampled :
 TP-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.0	12.6	19.0

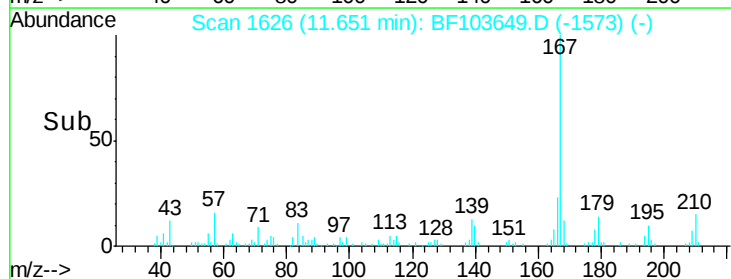
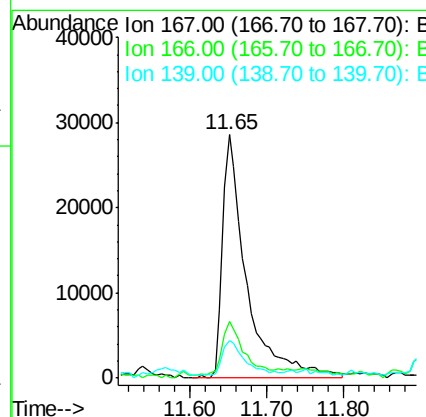
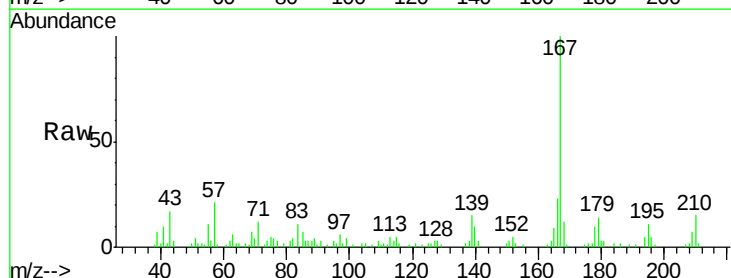
Manual Integrations
 APPROVED

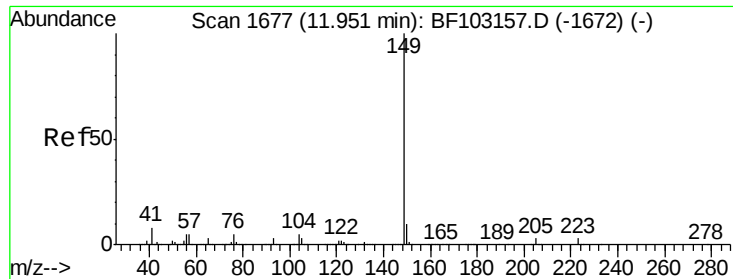
Sohil
 3/15/2018 6:57:41 PM



#72
 Carbazole
 Concen: 3.853 ng
 RT: 11.65 min Scan# 1626
 Delta R.T. 0.01 min
 Lab File: BF103649.D
 Acq: 14 Mar 2018 19:06

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.6	26.4
139	15.2	10.9	16.3





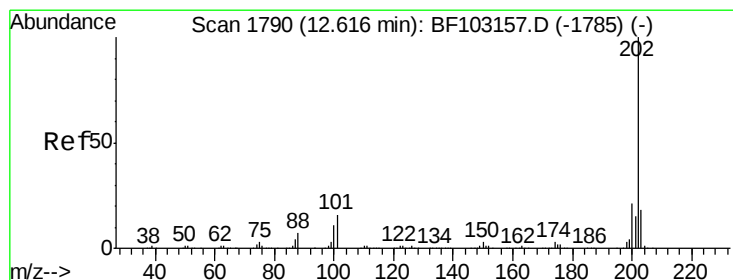
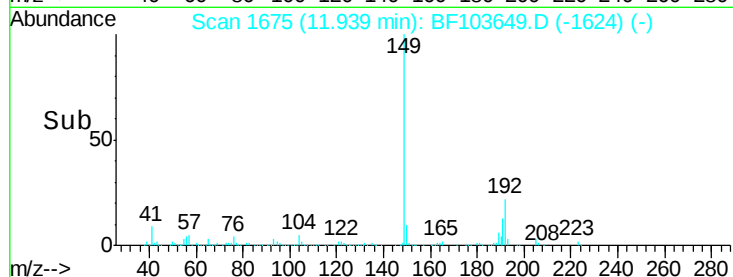
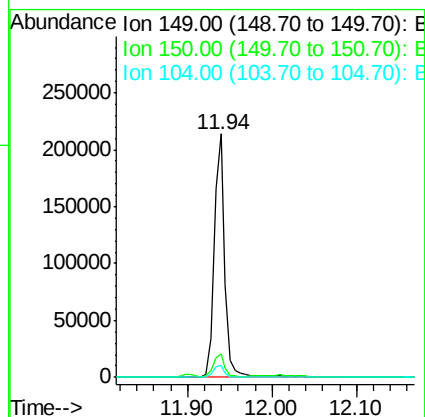
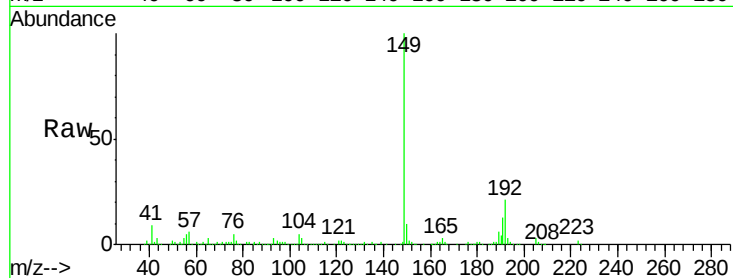
#73
Di-n-butylphthalate
Concen: 9.340 ng
RT: 11.94 min Scan# 1675
Delta R.T. -0.00 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Instrument :
BNA_F
ClientSampled :
TP-B

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.8	11.6
104	5.0	3.8	5.8

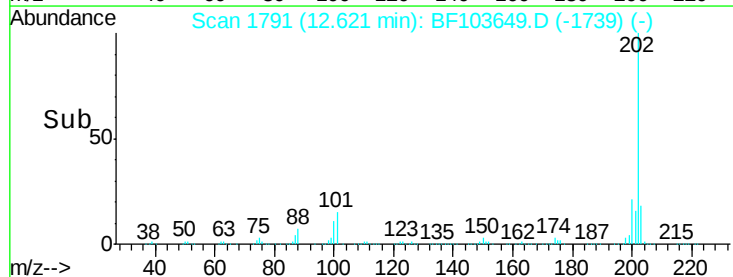
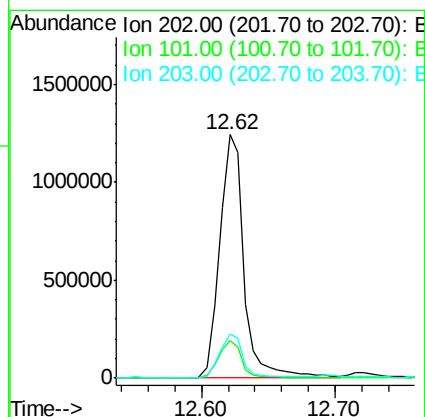
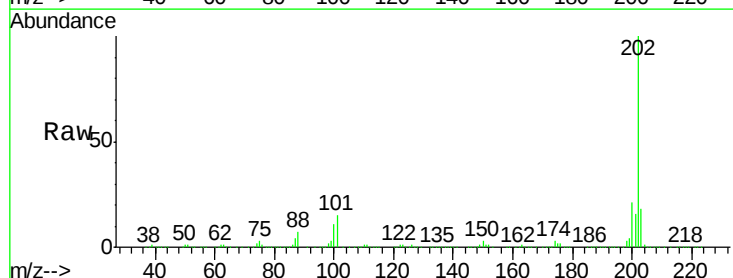
Manual Integrations
APPROVED

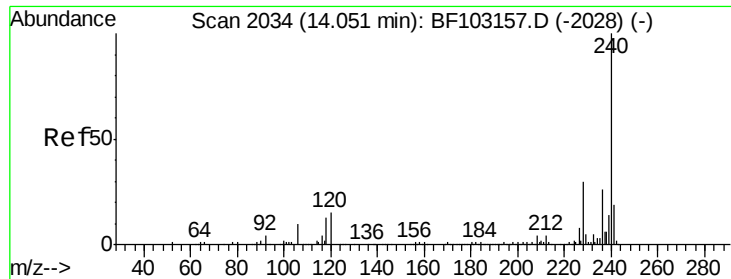
Sohil
3/15/2018 6:57:41 PM



#74
Fluoranthene
Concen: 101.061 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.01 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

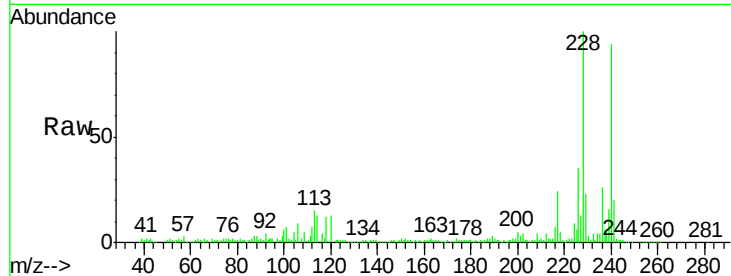
ClientSampled :

TP-B

Tot Ion	Ratio	Resp	Lower	Upper
240	100	200826		
120	14.0	9.5	14.3	
236	27.4	20.7	31.1	

Manual Integrations
APPROVED

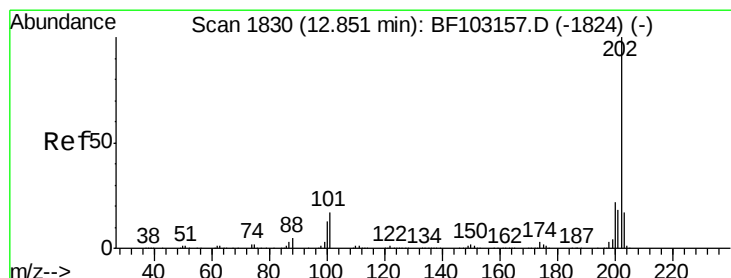
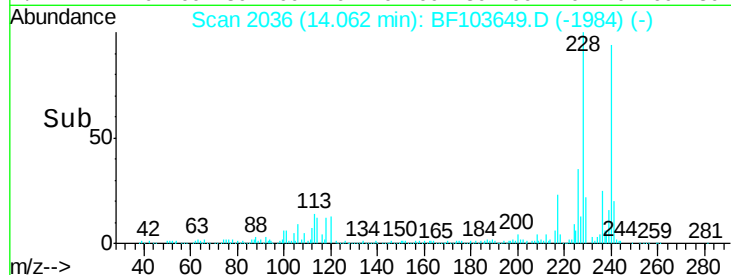
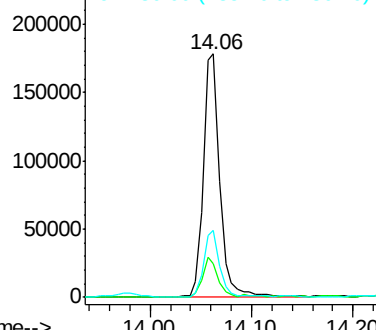
Sohil
3/15/2018 6:57:41 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 88.329 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF103649.D

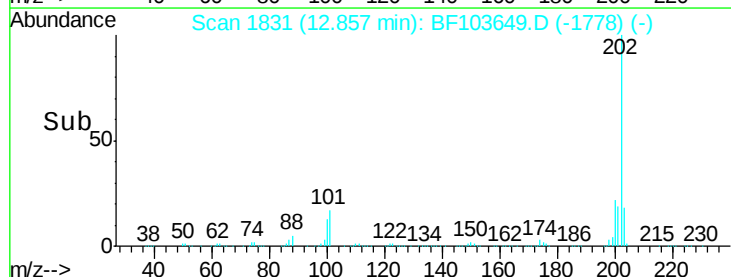
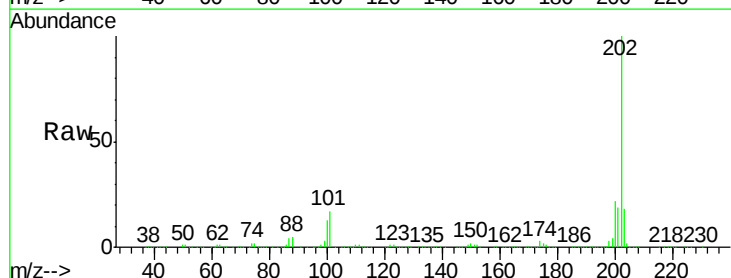
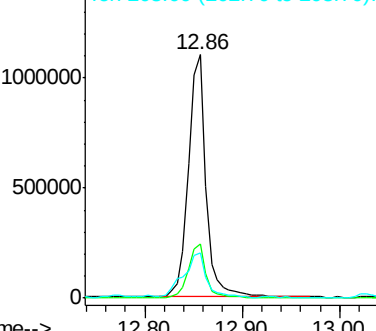
Acq: 14 Mar 2018 19:06

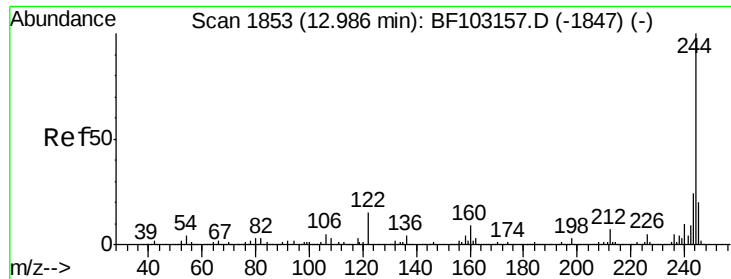
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1383024		
200	22.4	17.4	26.2	
203	18.3	14.3	21.5	

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





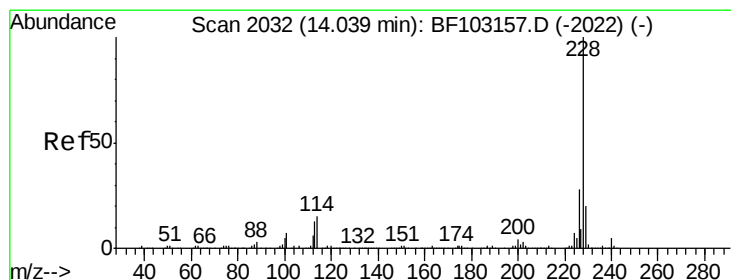
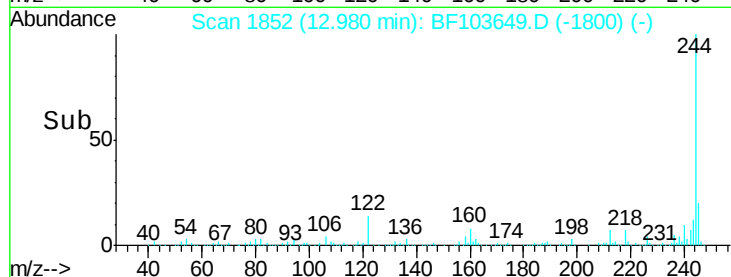
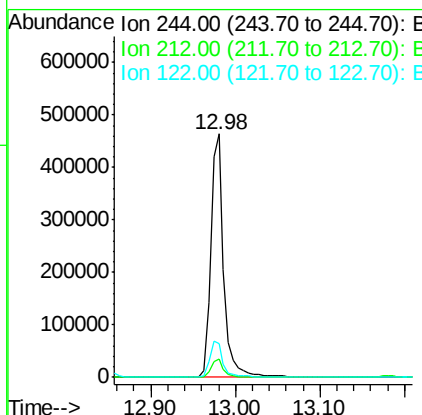
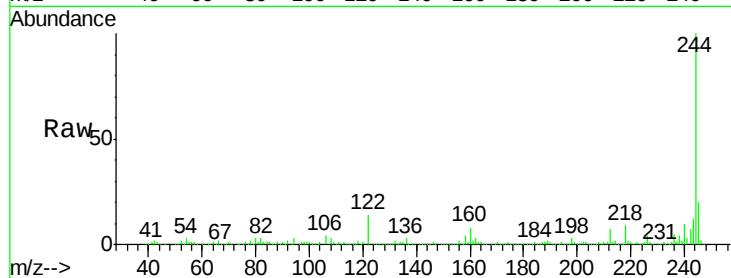
#78
 Terphenyl-d14
 Concen: 60.252 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: BF103649.D
 Acq: 14 Mar 2018 19:06

Instrument :
 BNA_F
 ClientSampled :
 TP-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	13.6	11.0	16.4

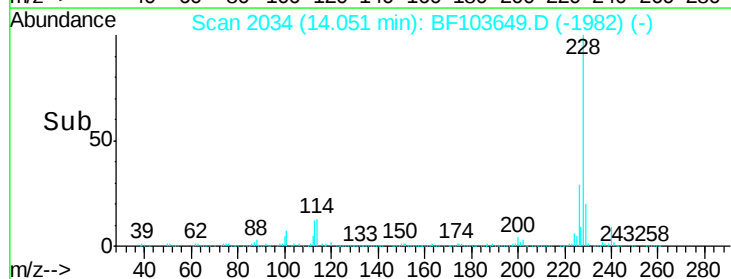
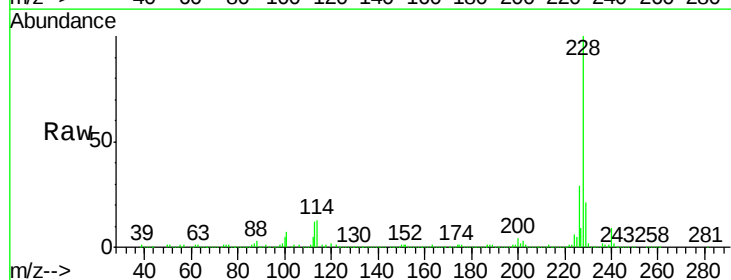
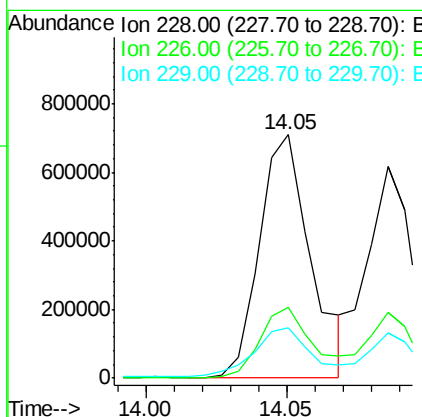
Manual Integrations
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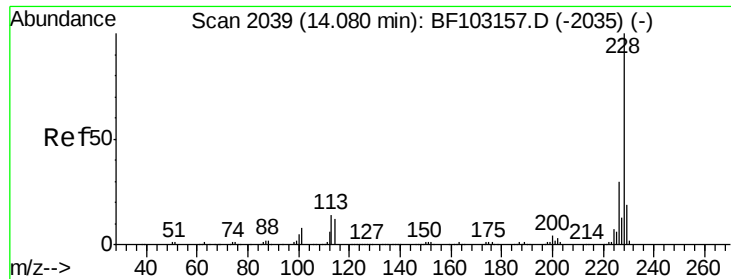
Sohil
 3/15/2018 6:57:41 PM



#80
 Benzo(a)anthracene
 Concen: 67.945 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.01 min
 Lab File: BF103649.D
 Acq: 14 Mar 2018 19:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	20.5	15.8	23.6





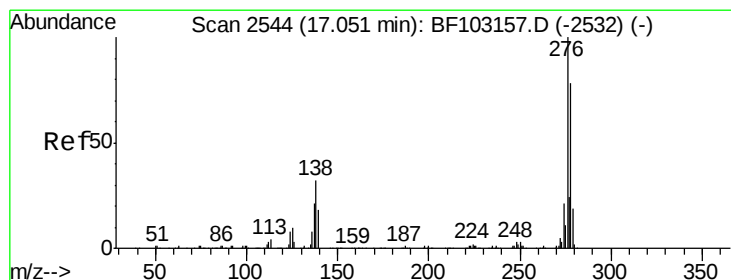
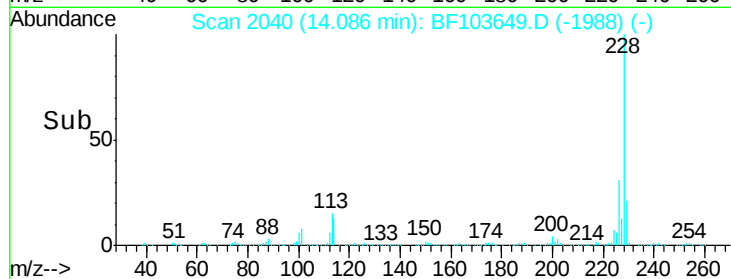
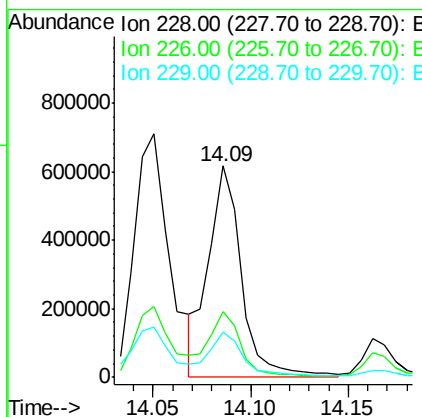
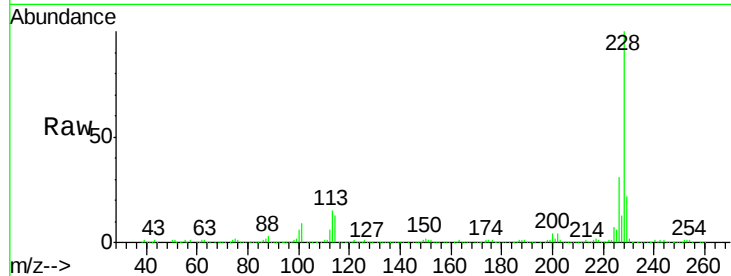
#82
Chrysene
Concen: 56.881 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Instrument :
BNA_F
ClientSampled :
TP-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	21.6	16.2	24.4

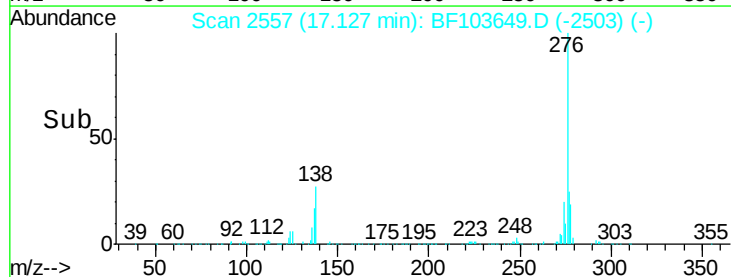
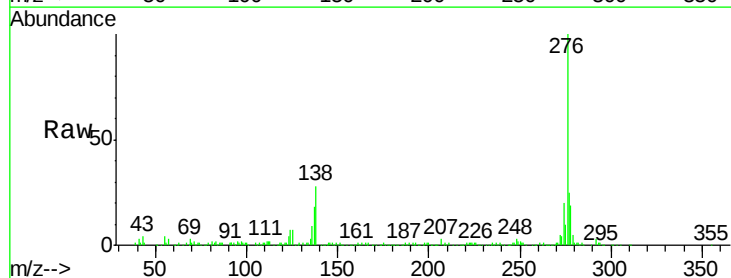
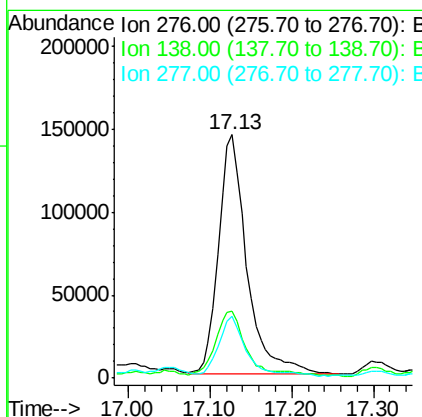
Manual Integrations
APPROVED

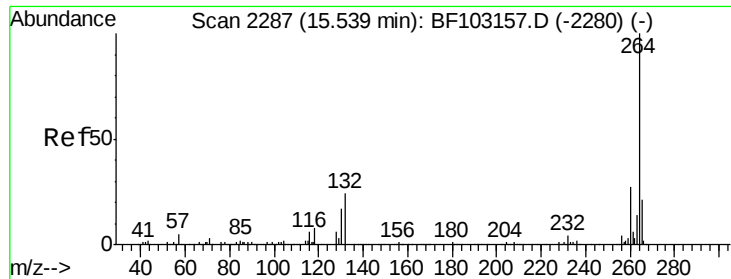
Sohil
3/15/2018 6:57:41 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 34.731 ng
RT: 17.13 min Scan# 2557
Delta R.T. 0.02 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	25.0	37.6
277	24.1	20.1	30.1





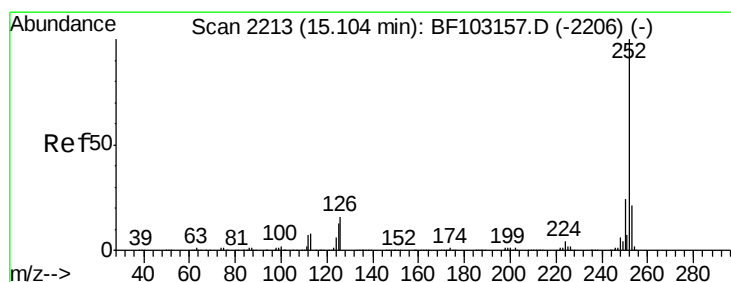
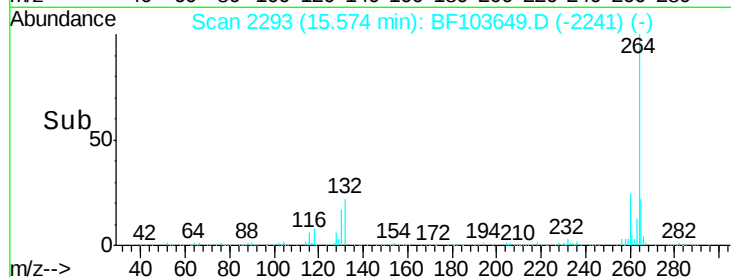
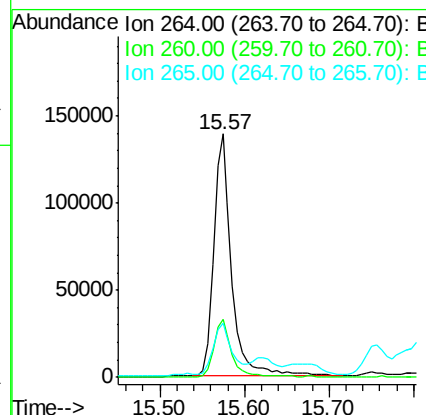
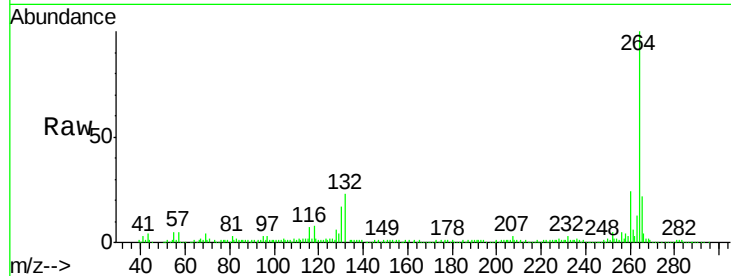
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Instrument :
BNA_F
ClientSampled :
TP-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.4	17.5	26.3

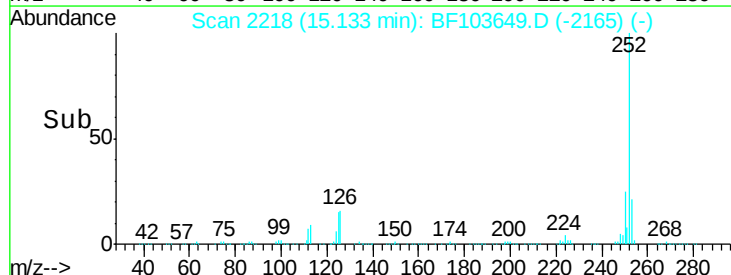
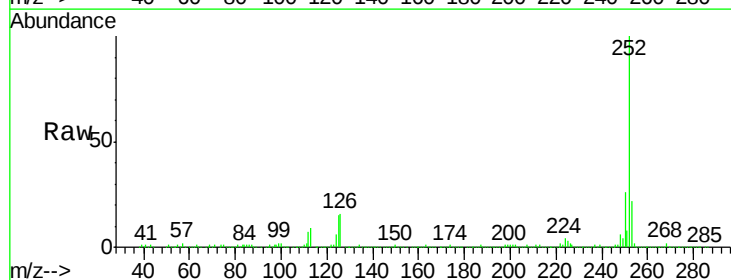
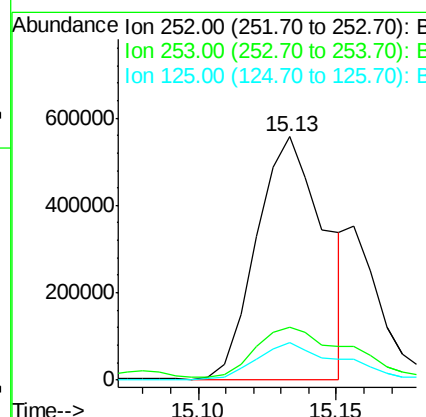
Manual Integrations
APPROVED

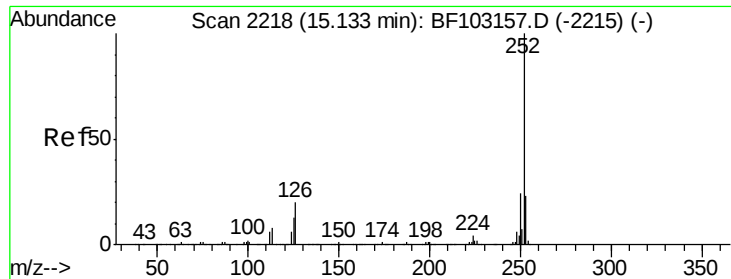
Sohil
3/15/2018 6:57:41 PM



#87
Benzo(b)fluoranthene
Concen: 69.973 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	15.2	9.0	13.6





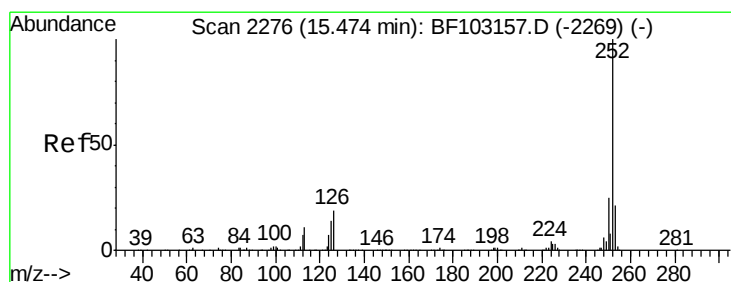
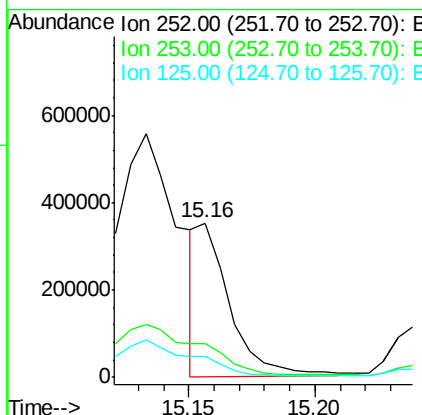
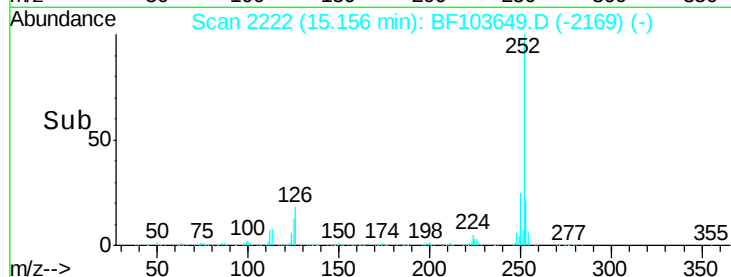
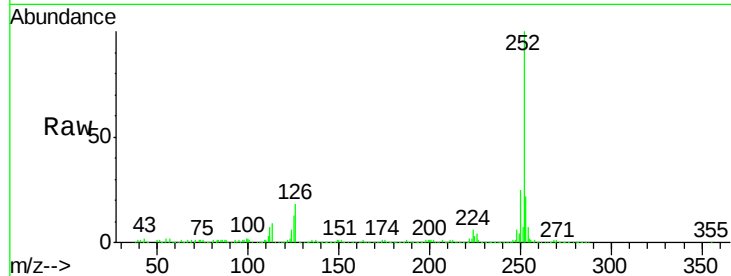
#88
Benzo(k)fluoranthene
Concen: 23.940 ng m
RT: 15.16 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Instrument :
BNA_F
ClientSampled :
TP-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	13.2	10.2	15.2

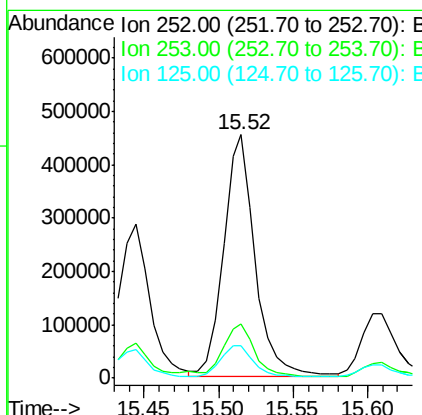
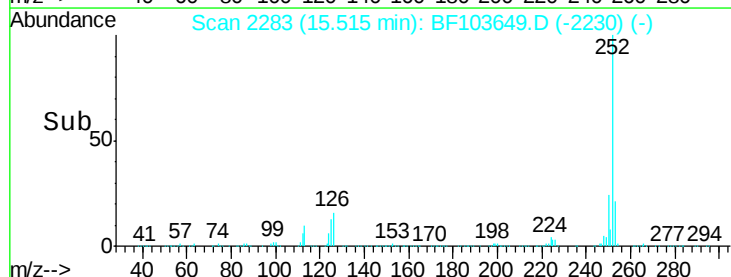
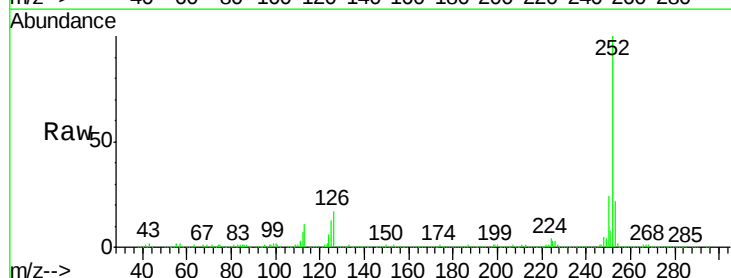
Manual Integrations
APPROVED

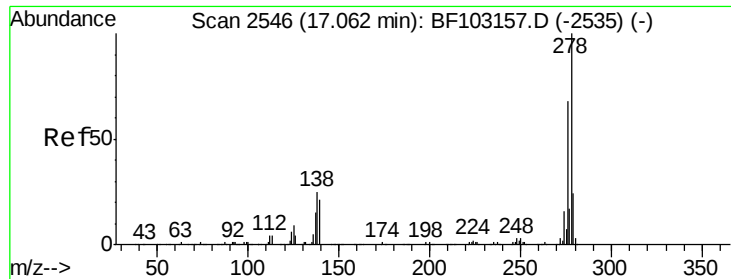
Sohil
3/15/2018 6:57:41 PM



#89
Benzo(a)pyrene
Concen: 55.428 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	13.2	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 7.292 ng

RT: 17.12 min Scan# 2556

Delta R.T. 0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

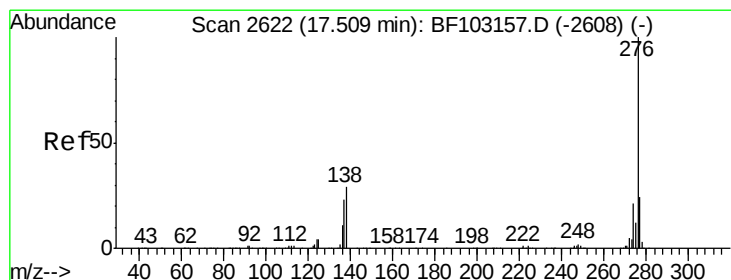
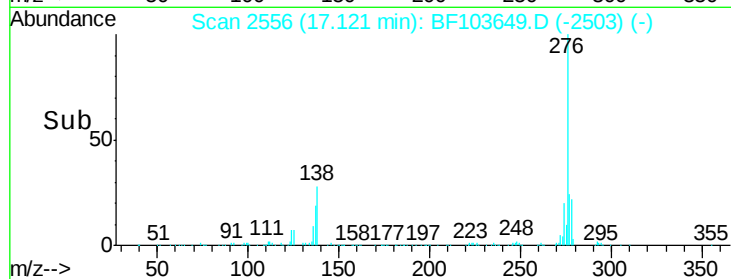
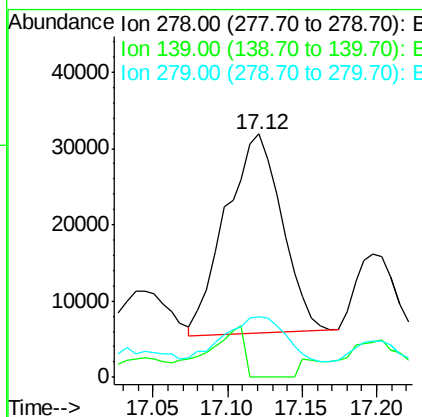
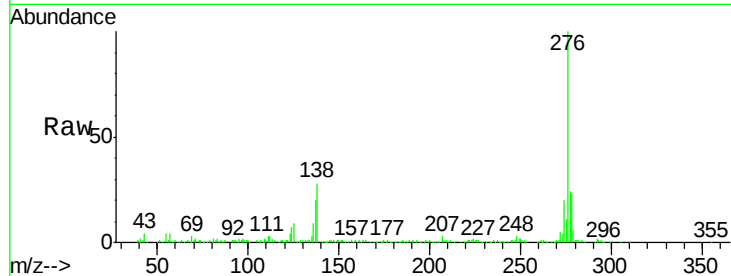
ClientSampled :

TP-B

Tot Ion:	278	Resp:	68399
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	24.7	19.0	28.4

Manual Integrations
APPROVED

Sohil
3/15/2018 6:57:41 PM



#91

Benzo(g,h,i)perylene

Concen: 32.958 ng

RT: 17.60 min Scan# 2637

Delta R.T. 0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Tgt Ion:	276	Resp:	302139
Ion Ratio	Lower	Upper	
276	100		
277	25.2	17.9	26.9
138	28.7	21.8	32.8

